ELSEVIER

Journal of Organometallic Chemistry 502 (1995) C8

Journal of Organometallic Chemistry

Author Index of Volume 502

Astruc, D., 143
Aumann, R., 137
Avent, A.G., 163

Baird, M.C., 87
Barretta, G.U., 95
Bauer, K., C1
Bernal, I., 103
Blais, M.S., 1
Bogdanović, B., 109
Bolm, C., 47
Bolte, A., 109
Breschi, C., 95

Casado, C.M., 143
Cornils, B., 177

Erker, G., 75

Filippou, A.C., 131
Fröhlich, R., 137

Gervasio, G., 25
Gessler, S., 47

Harms, K., 47
Harvey, S., 35
Heeb, G., 9
Herberhold, M., C1
Herberich, G.E., 67
Herdtweck, E., 131

Ikegami, H., 169

Jäkle, F., 123
Jasper, B., 137

Kaufmann, D., 47
Kindler, A., C5
King, R.B., 61
Kotila, S., 75, 137
Kovács, I., 87
Kreiter, C.G., 9
Kumar, V., 61
Kuntz, E.G., 177

Lappert, M.F., 163
Lee, D.W., 61
Lungwitz, B., 131

MacBeath, C., 163
Marchetti, F., 95
Markó, L., 25
Marx, H.-W., 67
Mashima, K., 19
Mattner, M., 123
Michels, W., 9
Milius, W., C1
Miyake, T., 169
Müller, J., 53

Nakamura, A., 19
Newton, M.G., 61

Ohta, T., 169

Pályi, G., 25
Perlaki, R., 25
Pertici, P., 95
Pickardt, J., 53
Priermeier, T., 123

Raston, C.L., 35
Rausch, M.D., 1
Reetz, M.T., C5

Sappa, E., 25
Schmuck, S., 75
Schubert, R., 53

Takaya, H., 169
Tanaka, Y., 19
Tschampel, M., 53

Van den Ancker, T.R., 35
Vitulli, G., 95
Vogt, H., 103
Völkl, C., 131

Wagner, M., 123
Wagner, T., 67, 143
Werner, H., 147
Windmüller, B., 147
Wolf, J., 147

ELSEVIER

Journal of Organometallic Chemistry 502 (1995) C9–C12

Journal of Organometallic Chemistry

Subject Index of Volume 502

Alcohol
Dialkylaminophosphorus metal carbonyls. XIII. Structure of a tertiary alcohol $[(^iPr_2NP)_2C(OH)R]Fe_2(CO)_6$ and the effect of carbon hybridization on the geometry of the CP_2Fe_2 cage (V. Kumar, D.W. Lee, M.G. Newton and R.B. King), 61
(η^2-Aldehyde)zirconocenes
C_1-insertion reactions at cyclodimeric (η^2-acetaldehyde)zirconocene complexes (S. Schmuck, G. Erker and S. Kotila), 75
Alkyne complexes
Vinyliden-Übergangsmetallkomplexe. XXXVIII. Alkin-, Alkinyl-, Vinyliden-, Allenyliden- und Benzyl-Rhodiumkomplexe mit dem Phosphinoether $iPr_2PCH_2CH_2OMe$ als ein- und zweizähnigen Liganden (B. Windmüller, J. Wolf und H. Werner), 147
Allenylidene complexes
Vinyliden-Übergangsmetallkomplexe. XXXVIII. Alkin-, Alkinyl-, Vinyliden-, Allenyliden- und Benzyl-Rhodiumkomplexe mit dem Phosphinoether $iPr_2PCH_2CH_2OMe$ als ein- und zweizähnigen Liganden (B. Windmüller, J. Wolf und H. Werner), 147
Aminoboranes
Donor-acceptor substituted ferrocenes. Novel structural motifs by intramolecular acid–base pairing (F. Jäkle, M. Mattner, T. Priermeier and M. Wagner), 123
Ammonium ylide
Organic syntheses via transition metal complexes. LXXXI. Bis(carbene) complex of chromium connected by a conjugated ammonium pentadienide bridge (R. Aumann, B. Jasper, R. Fröhlich and S. Kotila), 137
Anthracene
Polymer supported magnesium anthracene: application in the synthesis of benzylic Grignard reagents (T.R. Van den Ancker, S. Harvey and C.L. Raston), 35
Aqueous catalyst
Introducing TPPTS and related ligands for industrial biphasic processes (B. Cornils and E.G. Kuntz), 177
Asymmetric catalysis
Crystal structure of a new chiral Pd(0)/diphosphine complex and its use in enantioselective allylic alkylations (C. Bolm, D. Kaufmann, S. Gessler and K. Harms), 47
Asymmetric hydrogenation
BINAP–Ru(II) and BINAP–Rh(I)-catalyzed asymmetric hydrogenation of olefins without heteroatom-functionalities (T. Ohta, H. Ikegami, T. Miyake and H. Takaya), 169

Benzylic halide
Polymer supported magnesium anthracene: application in the synthesis of benzylic Grignard reagents (T.R. Van den Ancker, S. Harvey and C.L. Raston), 35
BINAP
BINAP–Ru(II) and BINAP–Rh(I)-catalyzed asymmetric hydrogenation of olefins without heteroatom-functionalities (T. Ohta, H. Ikegami, T. Miyake and H. Takaya), 169

Bis(carbene) complexes
Organic syntheses via transition metal complexes. LXXXI. Bis(carbene) complex of chromium connected by a conjugated ammonium pentadienide bridge (R. Aumann, B. Jasper, R. Fröhlich and S. Kotila), 137
Borole
Borole derivatives. XXI. 2,5-Diphenyl-2,5-dihydro-1*H*-boroles; structures of *tert*-butyl-2,5-diphenyl-2,5-dihydro-1*H*-borole and of bis(tmeda)lithium 2,5-diphenyl-2,5-dihydro-1*H*-boroledиide (G.E. Herberich, T. Wagner and H.-W. Marx), 67
Borole dianion
Borole derivatives. XXI. 2,5-Diphenyl-2,5-dihydro-1*H*-boroles; structures of *tert*-butyl-2,5-diphenyl-2,5-dihydro-1*H*-borole and of bis(tmeda)lithium 2,5-diphenyl-2,5-dihydro-1*H*-boroledиide (G.E. Herberich, T. Wagner and H.-W. Marx), 67
Boron
Borole derivatives. XXI. 2,5-Diphenyl-2,5-dihydro-1*H*-boroles; structures of *tert*-butyl-2,5-diphenyl-2,5-dihydro-1*H*-borole and of bis(tmeda)lithium 2,5-diphenyl-2,5-dihydro-1*H*-boroledиide (G.E. Herberich, T. Wagner and H.-W. Marx), 67
Donor-acceptor substituted ferrocenes. Novel structural motifs by intramolecular acid–base pairing (F. Jäkle, M. Mattner, T. Priermeier and M. Wagner), 123
Branched allene derivatives
Photoreactions of decacarbonyl-dirhenium with branched derivatives of Allene (C.G. Kreiter, W. Michels and G. Heeb), 9
Bridging ligand
Organic syntheses via transition metal complexes. LXXXI. Bis(carbene) complex of chromium connected by a conjugated ammonium pentadienide bridge (R. Aumann, B. Jasper, R. Fröhlich and S. Kotila), 137
Butenolide complexes
Synthesis and structure of diamine-substituted butene-2-olide-4-ylidene-4-cobalt carbonyl complexes (R. Perlaki, L. Markó, G. Gervasio, E. Sappa and G. Pályi), 25

Cage compound
Dialkylaminophosphorus metal carbonyls. XIII. Structure of a tertiary alcohol $[(^iPr_2NP)_2C(OH)R]Fe_2(CO)_6$ and the effect of carbon hybridization on the geometry of the CP_2Fe_2 cage (V. Kumar, D.W. Lee, M.G. Newton and R.B. King), 61
Carbon monoxide
Chemical synthesis with metal atoms: preparation and reactivity of (η^6-cyclohepta-1,3,5-triene)(η^4-cycloocta-1,5-diene)iron(0) (P. Pertici, C. Breschi, G.U. Barretta, F. Marchetti and G. Vitulli), 95
Carbonylation
C_1-insertion reactions at cyclodimeric (η^2-acetaldehyde)zirconocene complexes (S. Schmuck, G. Erker and S. Kotila), 75
Synthesis, characterization and reactions of ethylene complexes bearing $Ta(\eta^5\text{-}C_5R_5)(\eta^4\text{-buta-1,3-diene})$ fragments (R = H, Me) (K. Mashima, Y. Tanaka and A. Nakamura), 19

Carbyne complexes
Metal–carbon multiple bonds: [2 + 2] cycloaddition of nitrilium salts across a metal–carbon triple bond; synthesis and structure of iminocarbene complexes of tungsten (A.C. Filippou, B. Lungwitz, C. Völkl and E. Herdtweck), 131
Catalysis
BINAP–Ru(II) and BINAP–Rh(I)-catalyzed asymmetric hydrogenation of olefins without heteroatom-functionalities (T. Ohta, H. Ikegami, T. Miyake and H. Takaya), 169
Cationic iron carbonyl
Neutral and cationic iron carbonyl complexes substituted with the water-soluble phosphines $[Ph_2P(CH_2)_nPMe_3]^+$ ($n = 2$, 3, 6 and 10) (I. Kovács and M.C. Baird), 87
C–C coupling
Metal–carbon multiple bonds: [2 + 2] cycloaddition of nitrilium salts across a metal–carbon triple bond; synthesis and structure of iminocarbene complexes of tungsten (A.C. Filippou, B. Lungwitz, C. Völkl and E. Herdtweck), 131
Chromium
Organic syntheses via transition metal complexes. LXXXI. Bis(carbene) complex of chromium connected by a conjugated ammonium pentadienide bridge (R. Aumann, B. Jasper, R. Fröhlich and S. Kotila), 137
^{13}C NMR spectra
A new synthetic route to functionally substituted (η^5-cyclopentadienyl)dicarbonyliridium compounds (M.S. Blais and M.D. Rausch), 1
Cobalt carbonyl diamine complexes
Synthesis and structure of diamine-substituted butene-2-olide-4-ylidene-4-cobalt carbonyl complexes (R. Perlaki, L. Markó, G. Gervasio, E. Sappa and G. Pályi), 25
CO insertion
C_1-insertion reactions at cyclodimeric (η^2-acetaldehyde)zirconocene complexes (S. Schmuck, G. Erker and S. Kotila), 75
Complexes
Photoreactions of decacarbonyl-dirhenium with branched derivatives of Allene (C.G. Kreiter, W. Michels and G. Heeb), 9
Conglomerate crystallization
Conglomerate crystallization in organometallic compounds. V. The crystal and molecular structure of (C_5H_4–CH_2–CH_2–C(=O)–Fe-$(CO)_2$ (I. Bernal and H. Vogt), 103
Copper
The Kharasch reaction revisited: CuX_3Li_2-catalyzed conjugate addition reactions of Grignard reagents (M.T. Reetz and A. Kindler), C5
Crystal structure
Tri(1-cyclohepta-2,4,6-trienyl)phosphan-Komplexe des Rhodiums(I) und Iridiums(I) (M. Herberhold, K. Bauer und W. Milius), C1
Cycloaddition
Metal–carbon multiple bonds: [2 + 2] cycloaddition of nitrilium salts across a metal–carbon triple bond; synthesis and structure of iminocarbene complexes of tungsten (A.C. Filippou, B. Lungwitz, C. Völkl and E. Herdtweck), 131
Cyclohepta-1,3,5-diene
Chemical synthesis with metal atoms: preparation and reactivity of (η^6-cyclohepta-1,3,5-triene)(η^4-cycloocta-1,5-diene)iron(0) (P. Pertici, C. Breschi, G.U. Barretta, F. Marchetti and G. Vitulli), 95
Cyclohexadienyl complex
π-Olefin-Iridium- Komplexe. XXIII. Umsetzungen reaktiver Cycloocta-1,5-dien-rhodium- und -iridium-Verbindungen mit Alkinen (J. Müller, R. Schubert, M. Tschampel und J. Pickardt), 53
Cycloocta-1,5-diene
Chemical synthesis with metal atoms: preparation and reactivity of (η^6-cyclohepta-1,3,5-triene)(η^4-cycloocta-1,5-diene)iron(0) (P. Pertici, C. Breschi, G.U. Barretta, F. Marchetti and G. Vitulli), 95
Cyclopropanes
Organic syntheses via transition metal complexes. LXXXI. Bis(carbene) complex of chromium connected by a conjugated ammonium pentadienide bridge (R. Aumann, B. Jasper, R. Fröhlich and S. Kotila), 137

Decacarbonyldirhenium
Photoreactions of decacarbonyl-dirhenium with branched derivatives of Allene (C.G. Kreiter, W. Michels and G. Heeb), 9
Deprotonation
Deprotonation of the complexes $[Ru(arene)Cp]^+ PF_6^-$ (arene = C_6Me_6 and fluorene): X-ray crystal structure of [Ru(η^5-$C_6Me_5CH_2$)Cp] and determination of the pK_a values using the iron analogues (C.M. Casado, T. Wagner and D. Astruc), 143
Dialkylaminophosphorus metal carbonyls
Dialkylaminophosphorus metal carbonyls. XIII. Structure of a tertiary alcohol $[(^iPr_2NP)_2C(OH)R]Fe_2(CO)_6$ and the effect of carbon hybridization on the geometry of the CP_2Fe_2 cage (V. Kumar, D.W. Lee, M.G. Newton and R.B. King), 61
2,5-Dihydro-1*H*-borolediide
Borole derivatives. XXI. 2,5-Diphenyl-2,5-dihydro-1*H*-boroles; structures of *tert*-butyl-2,5-diphenyl-2,5-dihydro-1*H*-borole and of bis(tmeda)lithium 2,5-diphenyl-2,5-dihydro-1*H*-borolediide (G.E. Herberich, T. Wagner and H.-W. Marx), 67
2,5-Diphenyl-2,5-dihydro-1*H*-boroles
Borole derivatives. XXI. 2,5-Diphenyl-2,5-dihydro-1*H*-boroles; structures of *tert*-butyl-2,5-diphenyl-2,5-dihydro-1*H*-borole and of bis(tmeda)lithium 2,5-diphenyl-2,5-dihydro-1*H*-borolediide (G.E. Herberich, T. Wagner and H.-W. Marx), 67
Divinyltetramethyldisiloxane
Stereochemical non-rigidity in a macrocyclic vinylsiloxane-based tris(alkene)nickel(0) complex (A.G. Avent, M.F. Lappert and C. MacBeath), 163
Dynamic NMR spectroscopy
Donor-acceptor substituted ferrocenes. Novel structural motifs by intramolecular acid–base pairing (F. Jäkle, M. Mattner, T. Priermeier and M. Wagner), 123
Dynamic processes
Stereochemical non-rigidity in a macrocyclic vinylsiloxane-based tris(alkene)nickel(0) complex (A.G. Avent, M.F. Lappert and C. MacBeath), 163

Enantioselective allylic substitution
Crystal structure of a new chiral Pd(0)/diphosphine complex and its use in enantioselective allylic alkylations (C. Bolm, D. Kaufmann, S. Gessler and K. Harms), 47
Ensolsilanes
The Kharasch reaction revisited: CuX_3Li_2-catalyzed conjugate addition reactions of Grignard reagents (M.T. Reetz and A. Kindler), C5
Ethylene
Synthesis, characterization and reactions of ethylene complexes bearing Ta(η^5-C_5R_5)(η^4-buta-1,3-diene) fragments (R = H, Me) (K. Mashima, Y. Tanaka and A. Nakamura), 19

Ferrocenylboranes
Donor-acceptor substituted ferrocenes. Novel structural motifs by intramolecular acid–base pairing (F. Jäkle, M. Mattner, T. Priermeier and M. Wagner), 123

Grignard Reagent
Polymer supported magnesium anthracene: application in the synthesis of benzylic Grignard reagents (T.R. Van den Ancker, S. Harvey and C.L. Raston), 35

Hammett substituent parameters
A new synthetic route to functionally substituted (η^5-cyclopentadienyl)dicarbonyliridium compounds (M.S. Blais and M.D. Rausch), 1
Homogeneous catalysis
Introducing TPPTS and related ligands for industrial biphasic processes (B. Cornils and E.G. Kuntz), 177
Hydrido complexes
Vinyliden-Übergangsmetallkomplexe. XXXVIII. Alkin-, Alkinyl-, Vinyliden-, Allenyliden- und Benzyl-Rhodiumkomplexe mit dem Phosphinoether $iPr_2PCH_2CH_2OMe$ als ein- und zweizähnigen Liganden (B. Windmüller, J. Wolf und H. Werner), 147
Hydrosilylation
Stereochemical non-rigidity in a macrocyclic vinylsiloxane-based tris(alkene)nickel(0) complex (A.G. Avent, M.F. Lappert and C. MacBeath), 163

Iminoacyl complexes
C_1-insertion reactions at cyclodimeric (η^2-acetaldehyde)zirconocene complexes (S. Schmuck, G. Erker and S. Kotila), 75
Iminocarbene complexes
Metal–carbon multiple bonds: [2 + 2] cycloaddition of nitrilium salts across a metal–carbon triple bond; synthesis and structure of iminocarbene complexes of tungsten (A.C. Filippou, B. Lungwitz, C. Völkl and E. Herdtweck), 131
Immobilization
Introducing TPPTS and related ligands for industrial biphasic processes (B. Cornils and E.G. Kuntz), 177
Iridium
A new synthetic route to functionally substituted (η^5-cyclopentadienyl)dicarbonyliridium compounds (M.S. Blais and M.D. Rausch), 1
π-Olefin-Iridium- Komplexe. XXIII. Umsetzungen reaktiver Cycloocta-1,5-dien-rhodium- und -iridium-Verbindungen mit Alkinen (J. Müller, R. Schubert, M. Tschampel und J. Pickardt), 53
Tri(1-cyclohepta-2,4,6-trienyl)phosphan-Komplexe des Rhodiums(I) und Iridiums(I) (M. Herberhold, K. Bauer und W. Milius), C1
Iron
Chemical synthesis with metal atoms: preparation and reactivity of (η^6-cyclohepta-1,3,5-triene)(η^4-cycloocta-1,5-diene)iron(0) (P. Pertici, C. Breschi, G.U. Barretta, F. Marchetti and G. Vitulli), 95
Conglomerate crystallization in organometallic compounds. V. The crystal and molecular structure of ($\underline{C_5H_4-CH_2-CH_2-\overset{\overset{O}{\|}}{C}-Fe}$-$(CO)_2$ (I. Bernal and H. Vogt), 103
Deprotonation of the complexes $[Ru(arene)Cp]^+PF_6^-$ (arene = C_6Me_6 and fluorene): X-ray crystal structure of $[Ru(\eta^5\text{-}C_6Me_5CH_2)Cp]$ and determination of the pK_a values using the iron analogues (C.M. Casado, T. Wagner and D. Astruc), 143
Dialkylaminophosphorus metal carbonyls. XIII. Structure of a tertiary alcohol $[(^iPr_2NP)_2C(OH)R]Fe_2(CO)_6$ and the effect of carbon hybridization on the geometry of the CP_2Fe_2 cage (V. Kumar, D.W. Lee, M.G. Newton and R.B. King), 61
Neutral and cationic iron carbonyl complexes substituted with the water-soluble phosphines $[Ph_2P(CH_2)_nPMe_3]^+$ (n = 2, 3, 6 and 10) (I. Kovács and M.C. Baird), 87
Isomerizations
Photoreactions of decacarbonyl-dirhenium with branched derivatives of Allene (C.G. Kreiter, W. Michels and G. Heeb), 9
Isonitrile insertion
C_1-insertion reactions at cyclodimeric (η^2-acetaldehyde)zirconocene complexes (S. Schmuck, G. Erker and S. Kotila), 75

Ketone
The Kharasch reaction revisited: CuX_3Li_2-catalyzed conjugate addition reactions of Grignard reagents (M.T. Reetz and A. Kindler), C5

Lithium
The Kharasch reaction revisited: CuX_3Li_2-catalyzed conjugate addition reactions of Grignard reagents (M.T. Reetz and A. Kindler), C5
Low valent titanium-ketone complexes
A comparative study of the McMurry reaction utilizing $[HTiCl(THF)_{\approx 0.5}]_x$, $TiCl_3(DME)_{1.5}$–Zn(Cu) and $TiCl_2 \cdot LiCl$ as coupling reagents (B. Bogdanović and A. Bolte), 109

Magnesium
Polymer supported magnesium anthracene: application in the synthesis of benzylic Grignard reagents (T.R. Van den Ancker, S. Harvey and C.L. Raston), 35
The Kharasch reaction revisited: CuX_3Li_2-catalyzed conjugate addition reactions of Grignard reagents (M.T. Reetz and A. Kindler), C5
McMurry reaction
A comparative study of the McMurry reaction utilizing $[HTiCl(THF)_{\approx 0.5}]_x$, $TiCl_3(DME)_{1.5}$–Zn(Cu) and $TiCl_2 \cdot LiCl$ as coupling reagents (B. Bogdanović and A. Bolte), 109
Metallacyclopentadienyl complex
π-Olefin-Iridium- Komplexe. XXIII. Umsetzungen reaktiver Cycloocta-1,5-dien-rhodium- und -iridium-Verbindungen mit Alkinen (J. Müller, R. Schubert, M. Tschampel und J. Pickardt), 53
Metal vapour synthesis
Chemical synthesis with metal atoms: preparation and reactivity of (η^6-cyclohepta-1,3,5-triene)(η^4-cycloocta-1,5-diene)iron(0) (P. Pertici, C. Breschi, G.U. Barretta, F. Marchetti and G. Vitulli), 95
μ-Methylene ligand
π-Olefin-Iridium- Komplexe. XXIII. Umsetzungen reaktiver Cycloocta-1,5-dien-rhodium- und -iridium-Verbindungen mit Alkinen (J. Müller, R. Schubert, M. Tschampel und J. Pickardt), 53

Neutral iron carbonyl
Neutral and cationic iron carbonyl complexes substituted with the water-soluble phosphines $[Ph_2P(CH_2)_nPMe_3]^+$ (n = 2, 3, 6 and 10) (I. Kovács and M.C. Baird), 87
Ni(0) triene complexes
Stereochemical non-rigidity in a macrocyclic vinylsiloxane-based tris(alkene)nickel(0) complex (A.G. Avent, M.F. Lappert and C. MacBeath), 163
Nitrilium salts
Metal–carbon multiple bonds: [2 + 2] cycloaddition of nitrilium salts across a metal–carbon triple bond; synthesis and structure of iminocarbene complexes of tungsten (A.C. Filippou, B. Lungwitz, C. Völkl and E. Herdtweck), 131
NMR
Tri(1-cyclohepta-2,4,6-trienyl)phosphan-Komplexe des Rhodiums(I) und Iridiums(I) (M. Herberhold, K. Bauer und W. Milius), C1

Palladium(0) complex
Crystal structure of a new chiral Pd(0)/diphosphine complex and its use in enantioselective allylic alkylations (C. Bolm, D. Kaufmann, S. Gessler and K. Harms), 47

Phosphine
Chemical synthesis with metal atoms: preparation and reactivity of (η^6-cyclohepta-1,3,5-triene)(η^4-cycloocta-1,5-diene)iron(0) (P. Pertici, C. Breschi, G.U. Barretta, F. Marchetti and G. Vitulli), 95
Phosphine complexes
Neutral and cationic iron carbonyl complexes substituted with the water-soluble phosphines $[Ph_2P(CH_2)_nPMe_3]^+$ ($n = 2$, 3, 6 and 10) (I. Kovács and M.C. Baird), 87
Phosphine, functionalized
Vinyliden-Übergangsmetallkomplexe. XXXVIII. Alkin-, Alkinyl-, Vinyliden-, Allenyliden- und Benzyl-Rhodiumkomplexe mit dem Phosphinoether $iPr_2PCH_2CH_2OMe$ als ein- und zweizähnigen Liganden (B. Windmüller, J. Wolf und H. Werner), 147
Phosphinoboranes
Donor-acceptor substituted ferrocenes. Novel structural motifs by intramolecular acid–base pairing (F. Jäkle, M. Mattner, T. Priermeier and M. Wagner), 123
Phosphorus
Dialkylaminophosphorus metal carbonyls. XIII. Structure of a tertiary alcohol $[(^iPr_2NP)_2C(OH)R]Fe_2(CO)_6$ and the effect of carbon hybridization on the geometry of the CP_2Fe_2 cage (V. Kumar, D.W. Lee, M.G. Newton and R.B. King), 61
Photoreactions
Photoreactions of decacarbonyl-dirhenium with branched derivatives of Allene (C.G. Kreiter, W. Michels and G. Heeb), 9
Polymer
Polymer supported magnesium anthracene: application in the synthesis of benzylic Grignard reagents (T.R. Van den Ancker, S. Harvey and C.L. Raston), 35
Push-pull-systems
Donor-acceptor substituted ferrocenes. Novel structural motifs by intramolecular acid–base pairing (F. Jäkle, M. Mattner, T. Priermeier and M. Wagner), 123

Radialene
Organic syntheses via transition metal complexes. LXXXI. Bis(carbene) complex of chromium connected by a conjugated ammonium pentadienide bridge (R. Aumann, B. Jasper, R. Fröhlich and S. Kotila), 137
Rhodium
BINAP–Ru(II) and BINAP–Rh(I)-catalyzed asymmetric hydrogenation of olefins without heteroatom-functionalities (T. Ohta, H. Ikegami, T. Miyake and H. Takaya), 169
π-Olefin-Iridium- Komplexe. XXIII. Umsetzungen reaktiver Cycloocta-1,5-dien-rhodium- und -iridium-Verbindungen mit Alkinen (J. Müller, R. Schubert, M. Tschampel und J. Pickardt), 53
Tri(1-cyclohepta-2,4,6-trienyl)phosphan-Komplexe des Rhodiums(I) und Iridiums(I) (M. Herberhold, K. Bauer und W. Milius), C1
Rhodium complexes
Vinyliden-Übergangsmetallkomplexe. XXXVIII. Alkin-, Alkinyl-, Vinyliden-, Allenyliden- und Benzyl-Rhodiumkomplexe mit dem Phosphinoether $iPr_2PCH_2CH_2OMe$ als ein- und zweizähnigen Liganden (B. Windmüller, J. Wolf und H. Werner), 147
Ruthenium
BINAP–Ru(II) and BINAP–Rh(I)-catalyzed asymmetric hydrogenation of olefins without heteroatom-functionalities (T. Ohta, H. Ikegami, T. Miyake and H. Takaya), 169
Deprotonation of the complexes $[Ru(arene)Cp]^+PF_6^-$ (arene = C_6Me_6 and fluorene): X-ray crystal structure of $[Ru(\eta^5\text{-}C_6Me_5CH_2)Cp]$ and determination of the pK_a values using the iron analogues (C.M. Casado, T. Wagner and D. Astruc), 143

Silicon
The Kharasch reaction revisited: CuX_3Li_2-catalyzed conjugate addition reactions of Grignard reagents (M.T. Reetz and A. Kindler), C5

Simple olefins
BINAP–Ru(II) and BINAP–Rh(I)-catalyzed asymmetric hydrogenation of olefins without heteroatom-functionalities (T. Ohta, H. Ikegami, T. Miyake and H. Takaya), 169
Stereochemistry
Dialkylaminophosphorus metal carbonyls. XIII. Structure of a tertiary alcohol $[(^iPr_2NP)_2C(OH)R]Fe_2(CO)_6$ and the effect of carbon hybridization on the geometry of the CP_2Fe_2 cage (V. Kumar, D.W. Lee, M.G. Newton and R.B. King), 61
Structure
Synthesis and structure of diamine-substituted butene-2-olide-4-ylidene-4-cobalt carbonyl complexes (R. Perlaki, L. Markó, G. Gervasio, E. Sappa and G. Pályi), 25
Styrene
Polymer supported magnesium anthracene: application in the synthesis of benzylic Grignard reagents (T.R. Van den Ancker, S. Harvey and C.L. Raston), 35
Substituted (cyclopentadienyl)dicarbonyliridium compounds
A new synthetic route to functionally substituted (η^5-cyclopentadienyl)dicarbonyliridium compounds (M.S. Blais and M.D. Rausch), 1
Synthesis
A new synthetic route to functionally substituted (η^5-cyclopentadienyl)dicarbonyliridium compounds (M.S. Blais and M.D. Rausch), 1

Tantalum
Synthesis, characterization and reactions of ethylene complexes bearing $Ta(\eta^5\text{-}C_5R_5)(\eta^4\text{-buta-1,3-diene})$ fragments (R = H, Me) (K. Mashima, Y. Tanaka and A. Nakamura), 19
$TiCl_3$(1,2-dimethoxyethane)
A comparative study of the McMurry reaction utilizing $[HTiCl(THF)_{\approx 0.5}]_x$, $TiCl_3(DME)_{1.5}$–Zn(Cu) and $TiCl_2 \cdot LiCl$ as coupling reagents (B. Bogdanović and A. Bolte), 109
Tripodal ligands
Tri(1-cyclohepta-2,4,6-trienyl)phosphan-Komplexe des Rhodiums(I) und Iridiums(I) (M. Herberhold, K. Bauer und W. Milius), C1

Vinylidene complexes
Vinyliden-Übergangsmetallkomplexe. XXXVIII. Alkin-, Alkinyl-, Vinyliden-, Allenyliden- und Benzyl-Rhodiumkomplexe mit dem Phosphinoether $iPr_2PCH_2CH_2OMe$ als ein- und zweizähnigen Liganden (B. Windmüller, J. Wolf und H. Werner), 147

Water-soluble phosphines
Neutral and cationic iron carbonyl complexes substituted with the water-soluble phosphines $[Ph_2P(CH_2)_nPMe_3]^+$ ($n = 2$, 3, 6 and 10) (I. Kovács and M.C. Baird), 87

X-ray crystallography
π-Olefin-Iridium- Komplexe. XXIII. Umsetzungen reaktiver Cycloocta-1,5-dien-rhodium- und -iridium-Verbindungen mit Alkinen (J. Müller, R. Schubert, M. Tschampel und J. Pickardt), 53
X-ray structure
Conglomerate crystallization in organometallic compounds. V. The crystal and molecular structure of $(\underbrace{C_5H_4\text{–}CH_2\text{–}CH_2\text{–}\overset{\overset{O}{\|}}{C}\text{–}Fe}\text{-}(CO)_2$ (I. Bernal and H. Vogt), 103
Deprotonation of the complexes $[Ru(arene)Cp]^+PF_6^-$ (arene = C_6Me_6 and fluorene): X-ray crystal structure of $[Ru(\eta^5\text{-}C_6Me_5CH_2)Cp]$ and determination of the pK_a values using the iron analogues (C.M. Casado, T. Wagner and D. Astruc), 143